

CERAMIC HONEYCOMB STRUCTURAL BODY  
AND METHODS OF PREPARING THE SAME

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ABSTRACT OF THE DISCLOSURE

10       The present invention provides a ceramic honeycomb  
structural body, and method for preparing the same, which  
can satisfactorily support a catalyst and can demonstrate  
superior mechanical strength, even if far thinner walls  
are used. Said structural body comprises lattice walls  
15       formed by a large number of cells 10 which are channels  
for a fluid and a peripheral wall 12 which covers at  
least the circumference of said lattice walls 11.

20       The outer peripheral portion 112 of said lattice  
walls 11 located in the vicinity of said peripheral  
wall 12 (area B) contain a densified portion of smaller  
porosity than that of an inner peripheral portion 111, of  
said lattice walls 11, which is located inside said outer  
peripheral portion 112 (area A).